

# Developing and Managing Research Software @ DLR

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Knowledge for Tomorrow



# DLR

## Some Facts around Software Development

### Some numbers...

- About 8.200 employees
- More than 25% of personnel resources spend on software development

### Variety of

- Fields
- Maturity
- Software technologies
- Team sizes
- Backgrounds

How to support scientists to develop sustainable software?



# Software Engineering Research Group

## Organizational context

- Part of Research institute

## (RSE) team size

- 9

## Remit

- SE Initiative, Consulting
- Research projects (months-years)

## Funding model

- SE Initiative: Central IT
- Research projects: Grants
- Consulting: Grants / Other institutes base funding

Soft funding

## Job security / career progression

- Staff hired on limited contracts, can become permanent

## Governance

- Space program of DLR



# Software Engineering Initiative of DLR

## Software Engineering Initiative of DLR

Network

Guidelines

Tools

Trainings

Knowledge and  
Experience  
Exchange





# Our approach for DLR Details

- Software Engineering Network
- KnowledgeExperienceExchanges
- SoftwareEngineering.Wiki
- Trainings
- RSE Consulting
- Guidelines



## ErfahrungsaustauschWorkshop

### Software Engineering

Fallstrick 15. - 16.

Created by Pilewischies, Andre, last modified by Schlauch, Tobias on 10. February 2017

Welcome to the *SoftwareEngineering.Wiki*!

The *SoftwareEngineering.Wiki* is the place to create, share and discuss software engineering content with colleagues on a working-level! We aim for an open and constructive exchange of ideas. Therefore, feel free to share your knowledge and encourage others!

- Before you
- Any Software
- You require document
- Software Engineering

This Wiki space is more for the department.

Blog Posts

Aus DLR Open Blog: Folge-WAW DLR Open II - Thema und Termin steht - Anmeldung created by...

Get Involved!

Tools

Learn about specific SE Tools!

Embed System Software Engineering

Call for Tender

Mehr unter:

Kontakt:  
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Anmeldung über das Bildungsprogramm im Intranet

Mehr Details unter:  
s.dlr.de/7xt5 (Wiki)

# There is a whole movement...

**HIFIS** (<https://www.hifis.net>)



**de-RSE** (<http://www.de-rse.org/>)



**Helmholtz Task Group „Wissenschaftliche Software“** (<https://os.helmholtz.de>)

**HELMHOLTZ**  
Open Science

